

Release notes for ENDF/B Development n-060_Nd_150
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=6049, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=6049, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      245 TO      389
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=6049, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=6049, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      245
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6049, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      391
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      587
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      604
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      630
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 16 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      653
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 663

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 670

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 24 (0): Directory (b)

ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 24
SECTION 3/ 24 NOT IN DIRECTORY RECORD NUMBER 681

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 689

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 41 (0): Directory (b)

ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 41
SECTION 3/ 41 NOT IN DIRECTORY RECORD NUMBER 697

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 703

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 722

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 739

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 54 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 54 | RECORD NUMBER | 755 |
| SECTION 3/ 54 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 55 | RECORD NUMBER | 771 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 56 | RECORD NUMBER | 786 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 57 | RECORD NUMBER | 801 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT= 91 | RECORD NUMBER | 816 |
| SECTION 3/ 91 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=102 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=102 | RECORD NUMBER | 832 |
| SECTION 3/102 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=103 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=103 | RECORD NUMBER | 852 |
| SECTION 3/103 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=107 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=107 | RECORD NUMBER | 864 |
| SECTION 3/107 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=600 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=600 | | |
| | SECTION 3/600 NOT IN DIRECTORY | RECORD NUMBER | 877 |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=601 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=601 | | |
| | SECTION 3/601 NOT IN DIRECTORY | RECORD NUMBER | 888 |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=649 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=649 | | |
| | SECTION 3/649 NOT IN DIRECTORY | RECORD NUMBER | 899 |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=800 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=800 | | |
| | SECTION 3/800 NOT IN DIRECTORY | RECORD NUMBER | 910 |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=801 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=801 | | |
| | SECTION 3/801 NOT IN DIRECTORY | RECORD NUMBER | 923 |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=802 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=802 | | |
| | SECTION 3/802 NOT IN DIRECTORY | RECORD NUMBER | 936 |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=803 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=803 | | |
| | SECTION 3/803 NOT IN DIRECTORY | RECORD NUMBER | 949 |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=804 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=804 | | |
| | SECTION 3/804 NOT IN DIRECTORY | RECORD NUMBER | 962 |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=805 (0): Directory (b)

- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=805 | |
| | SECTION 3/805 NOT IN DIRECTORY | RECORD NUMBER 975 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=806 (0): Directory (b)
- | | | |
|--|---|-------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=806 | |
| | SECTION 3/806 NOT IN DIRECTORY | RECORD NUMBER 988 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=807 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=807 | |
| | SECTION 3/807 NOT IN DIRECTORY | RECORD NUMBER 1001 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=808 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=808 | |
| | SECTION 3/808 NOT IN DIRECTORY | RECORD NUMBER 1014 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=809 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=809 | |
| | SECTION 3/809 NOT IN DIRECTORY | RECORD NUMBER 1027 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=810 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=810 | |
| | SECTION 3/810 NOT IN DIRECTORY | RECORD NUMBER 1040 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=811 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=811 | |
| | SECTION 3/811 NOT IN DIRECTORY | RECORD NUMBER 1053 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=812 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 3, MT=812 | |
| | SECTION 3/812 NOT IN DIRECTORY | RECORD NUMBER 1066 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=813 (0): Directory (b)

- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=813 | |
| SECTION 3/813 NOT IN DIRECTORY | RECORD NUMBER 1079 |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=814 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=814 | |
| SECTION 3/814 NOT IN DIRECTORY | RECORD NUMBER 1092 |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=815 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=815 | |
| SECTION 3/815 NOT IN DIRECTORY | RECORD NUMBER 1105 |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=816 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=816 | |
| SECTION 3/816 NOT IN DIRECTORY | RECORD NUMBER 1118 |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=817 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=817 | |
| SECTION 3/817 NOT IN DIRECTORY | RECORD NUMBER 1131 |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=818 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=818 | |
| SECTION 3/818 NOT IN DIRECTORY | RECORD NUMBER 1144 |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=819 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=819 | |
| SECTION 3/819 NOT IN DIRECTORY | RECORD NUMBER 1157 |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=820 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=820 | |
| SECTION 3/820 NOT IN DIRECTORY | RECORD NUMBER 1170 |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 3, MT=849 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 3, MT=849 | RECORD NUMBER | 1183 |
| SECTION 3/849 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT= 2 (0): Directory (b)
- | | | |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT= 2 | RECORD NUMBER | 1197 |
| SECTION 4/ 2 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT= 51 | RECORD NUMBER | 1350 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT= 52 | RECORD NUMBER | 1487 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT= 53 | RECORD NUMBER | 1606 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT= 54 | RECORD NUMBER | 1724 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT= 55 | RECORD NUMBER | 1829 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT= 56 | RECORD NUMBER | 1940 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT= 57 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT= 57 | RECORD NUMBER | 2058 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=600 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT=600 | RECORD NUMBER | 2168 |
| SECTION 4/600 NOT IN DIRECTORY | | |
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=601 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT=601 | RECORD NUMBER | 2211 |
| SECTION 4/601 NOT IN DIRECTORY | | |
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=800 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT=800 | RECORD NUMBER | 2254 |
| SECTION 4/800 NOT IN DIRECTORY | | |
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=801 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT=801 | RECORD NUMBER | 2311 |
| SECTION 4/801 NOT IN DIRECTORY | | |
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=802 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT=802 | RECORD NUMBER | 2368 |
| SECTION 4/802 NOT IN DIRECTORY | | |
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=803 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT=803 | RECORD NUMBER | 2425 |
| SECTION 4/803 NOT IN DIRECTORY | | |
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=804 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=6049, MF= 4, MT=804 | RECORD NUMBER | 2482 |
| SECTION 4/804 NOT IN DIRECTORY | | |
63. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=805 (0): Directory (b)

- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=805 | |
| | SECTION 4/805 NOT IN DIRECTORY | RECORD NUMBER 2539 |
64. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=806 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=806 | |
| | SECTION 4/806 NOT IN DIRECTORY | RECORD NUMBER 2596 |
65. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=807 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=807 | |
| | SECTION 4/807 NOT IN DIRECTORY | RECORD NUMBER 2653 |
66. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=808 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=808 | |
| | SECTION 4/808 NOT IN DIRECTORY | RECORD NUMBER 2710 |
67. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=809 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=809 | |
| | SECTION 4/809 NOT IN DIRECTORY | RECORD NUMBER 2767 |
68. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=810 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=810 | |
| | SECTION 4/810 NOT IN DIRECTORY | RECORD NUMBER 2824 |
69. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=811 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=811 | |
| | SECTION 4/811 NOT IN DIRECTORY | RECORD NUMBER 2881 |
70. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=812 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=812 | |
| | SECTION 4/812 NOT IN DIRECTORY | RECORD NUMBER 2938 |
71. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=813 (0): Directory (b)

- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=813 | |
| | SECTION 4/813 NOT IN DIRECTORY | RECORD NUMBER 2995 |
72. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=814 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=814 | |
| | SECTION 4/814 NOT IN DIRECTORY | RECORD NUMBER 3052 |
73. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=815 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=815 | |
| | SECTION 4/815 NOT IN DIRECTORY | RECORD NUMBER 3109 |
74. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=816 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=816 | |
| | SECTION 4/816 NOT IN DIRECTORY | RECORD NUMBER 3166 |
75. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=817 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=817 | |
| | SECTION 4/817 NOT IN DIRECTORY | RECORD NUMBER 3223 |
76. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=818 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=818 | |
| | SECTION 4/818 NOT IN DIRECTORY | RECORD NUMBER 3280 |
77. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=819 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=819 | |
| | SECTION 4/819 NOT IN DIRECTORY | RECORD NUMBER 3337 |
78. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 4, MT=820 (0): Directory (b)
- | | | |
|--|---|--------------------|
| | ERROR(S) FOUND IN MAT=6049, MF= 4, MT=820 | |
| | SECTION 4/820 NOT IN DIRECTORY | RECORD NUMBER 3394 |
79. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 6, MT= 16 (0): Directory (b)

- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 6, MT= 16 | |
| SECTION 6/ 16 NOT IN DIRECTORY | RECORD NUMBER 3452 |
80. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 6, MT= 17 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 6, MT= 17 | |
| SECTION 6/ 17 NOT IN DIRECTORY | RECORD NUMBER 4973 |
81. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 6, MT= 22 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 6, MT= 22 | |
| SECTION 6/ 22 NOT IN DIRECTORY | RECORD NUMBER 5412 |
82. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 6, MT= 24 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 6, MT= 24 | |
| SECTION 6/ 24 NOT IN DIRECTORY | RECORD NUMBER 7832 |
83. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 6, MT= 28 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 6, MT= 28 | |
| SECTION 6/ 28 NOT IN DIRECTORY | RECORD NUMBER 8401 |
84. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 6, MT= 41 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 6, MT= 41 | |
| SECTION 6/ 41 NOT IN DIRECTORY | RECORD NUMBER 9147 |
85. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 6, MT= 91 (0): Directory (b)
- | | |
|---|--------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 6, MT= 91 | |
| SECTION 6/ 91 NOT IN DIRECTORY | RECORD NUMBER 9246 |
86. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 6, MT=102 (0): Directory (b)
- | | |
|---|---------------------|
| ERROR(S) FOUND IN MAT=6049, MF= 6, MT=102 | |
| SECTION 6/102 NOT IN DIRECTORY | RECORD NUMBER 14657 |
87. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 6, MT=649 (0): Directory (b)

- | | | |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6049, MF= 6, MT=649 | RECORD NUMBER | 16301 |
| SECTION 6/649 NOT IN DIRECTORY | | |
88. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF= 6, MT=849 (0): Directory (b)
- | | | |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6049, MF= 6, MT=849 | RECORD NUMBER | 17201 |
| SECTION 6/849 NOT IN DIRECTORY | | |
89. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6049, MF=12, MT= 51 | RECORD NUMBER | 18426 |
| SECTION 12/ 51 NOT IN DIRECTORY | | |
90. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6049, MF=12, MT= 52 | RECORD NUMBER | 18430 |
| SECTION 12/ 52 NOT IN DIRECTORY | | |
91. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6049, MF=12, MT= 53 | RECORD NUMBER | 18434 |
| SECTION 12/ 53 NOT IN DIRECTORY | | |
92. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6049, MF=12, MT= 54 | RECORD NUMBER | 18438 |
| SECTION 12/ 54 NOT IN DIRECTORY | | |
93. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6049, MF=12, MT= 55 | RECORD NUMBER | 18442 |
| SECTION 12/ 55 NOT IN DIRECTORY | | |
94. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=6049, MF=12, MT= 56 | RECORD NUMBER | 18447 |
| SECTION 12/ 56 NOT IN DIRECTORY | | |
95. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT= 57 (0): Directory (b)

- ERROR(S) FOUND IN MAT=6049, MF=12, MT= 57
SECTION 12/ 57 NOT IN DIRECTORY RECORD NUMBER 18451
96. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=601 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=601
SECTION 12/601 NOT IN DIRECTORY RECORD NUMBER 18455
97. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=801 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=801
SECTION 12/801 NOT IN DIRECTORY RECORD NUMBER 18459
98. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=802 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=802
SECTION 12/802 NOT IN DIRECTORY RECORD NUMBER 18463
99. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=803 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=803
SECTION 12/803 NOT IN DIRECTORY RECORD NUMBER 18467
100. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=804 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=804
SECTION 12/804 NOT IN DIRECTORY RECORD NUMBER 18471
101. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=805 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=805
SECTION 12/805 NOT IN DIRECTORY RECORD NUMBER 18475
102. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=806 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=806
SECTION 12/806 NOT IN DIRECTORY RECORD NUMBER 18479
103. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=807 (0): Directory (b)

- ERROR(S) FOUND IN MAT=6049, MF=12, MT=807
SECTION 12/807 NOT IN DIRECTORY RECORD NUMBER 18483
104. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=808 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=808
SECTION 12/808 NOT IN DIRECTORY RECORD NUMBER 18487
105. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=809 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=809
SECTION 12/809 NOT IN DIRECTORY RECORD NUMBER 18491
106. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=810 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=810
SECTION 12/810 NOT IN DIRECTORY RECORD NUMBER 18495
107. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=811 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=811
SECTION 12/811 NOT IN DIRECTORY RECORD NUMBER 18499
108. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=812 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=812
SECTION 12/812 NOT IN DIRECTORY RECORD NUMBER 18504
109. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=813 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=813
SECTION 12/813 NOT IN DIRECTORY RECORD NUMBER 18509
110. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=814 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=814
SECTION 12/814 NOT IN DIRECTORY RECORD NUMBER 18513
111. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=815 (0): Directory (b)

- ERROR(S) FOUND IN MAT=6049, MF=12, MT=815
SECTION 12/815 NOT IN DIRECTORY RECORD NUMBER 18517
112. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=816 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=816
SECTION 12/816 NOT IN DIRECTORY RECORD NUMBER 18521
113. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=817 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=817
SECTION 12/817 NOT IN DIRECTORY RECORD NUMBER 18525
114. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=818 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=818
SECTION 12/818 NOT IN DIRECTORY RECORD NUMBER 18529
115. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=819 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=819
SECTION 12/819 NOT IN DIRECTORY RECORD NUMBER 18533
116. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=12, MT=820 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=12, MT=820
SECTION 12/820 NOT IN DIRECTORY RECORD NUMBER 18537
117. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT= 51 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT= 51
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 18542
118. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT= 52 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT= 52
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 18544
119. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT= 53 (0): Directory (b)

- ERROR(S) FOUND IN MAT=6049, MF=14, MT= 53
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 18546
120. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT= 54 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT= 54
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 18548
121. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT= 55 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT= 55
SECTION 14/ 55 NOT IN DIRECTORY RECORD NUMBER 18550
122. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT= 56 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT= 56
SECTION 14/ 56 NOT IN DIRECTORY RECORD NUMBER 18552
123. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT= 57 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT= 57
SECTION 14/ 57 NOT IN DIRECTORY RECORD NUMBER 18554
124. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=601 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=601
SECTION 14/601 NOT IN DIRECTORY RECORD NUMBER 18556
125. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=801 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=801
SECTION 14/801 NOT IN DIRECTORY RECORD NUMBER 18558
126. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=802 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=802
SECTION 14/802 NOT IN DIRECTORY RECORD NUMBER 18560
127. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=803 (0): Directory (b)

- ERROR(S) FOUND IN MAT=6049, MF=14, MT=803
SECTION 14/803 NOT IN DIRECTORY RECORD NUMBER 18562
128. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=804 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=804
SECTION 14/804 NOT IN DIRECTORY RECORD NUMBER 18564
129. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=805 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=805
SECTION 14/805 NOT IN DIRECTORY RECORD NUMBER 18566
130. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=806 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=806
SECTION 14/806 NOT IN DIRECTORY RECORD NUMBER 18568
131. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=807 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=807
SECTION 14/807 NOT IN DIRECTORY RECORD NUMBER 18570
132. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=808 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=808
SECTION 14/808 NOT IN DIRECTORY RECORD NUMBER 18572
133. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=809 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=809
SECTION 14/809 NOT IN DIRECTORY RECORD NUMBER 18574
134. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=810 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=810
SECTION 14/810 NOT IN DIRECTORY RECORD NUMBER 18576
135. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=811 (0): Directory (b)

- ERROR(S) FOUND IN MAT=6049, MF=14, MT=811
SECTION 14/811 NOT IN DIRECTORY RECORD NUMBER 18578
136. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=812 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=812
SECTION 14/812 NOT IN DIRECTORY RECORD NUMBER 18580
137. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=813 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=813
SECTION 14/813 NOT IN DIRECTORY RECORD NUMBER 18582
138. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=814 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=814
SECTION 14/814 NOT IN DIRECTORY RECORD NUMBER 18584
139. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=815 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=815
SECTION 14/815 NOT IN DIRECTORY RECORD NUMBER 18586
140. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=816 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=816
SECTION 14/816 NOT IN DIRECTORY RECORD NUMBER 18588
141. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=817 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=817
SECTION 14/817 NOT IN DIRECTORY RECORD NUMBER 18590
142. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=818 (0): Directory (b)
- ERROR(S) FOUND IN MAT=6049, MF=14, MT=818
SECTION 14/818 NOT IN DIRECTORY RECORD NUMBER 18592
143. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=6049, MF=14, MT=819 (0): Directory (b)

ERROR(S) FOUND IN MAT=6049, MF=14, MT=819

SECTION 14/819 NOT IN DIRECTORY

RECORD NUMBER 18594

144. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=6049, MF=14, MT=820 (0): Directory (b)

ERROR(S) FOUND IN MAT=6049, MF=14, MT=820

SECTION 14/820 NOT IN DIRECTORY

RECORD NUMBER 18596

• **psyche** Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ISOTOPE MASS = 150. L = 1 / STRENGTH FUNCTION IS 1.50772E-05 / AVERAGE GAMMA WIDTH 3.60000E-02 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

FILE 2

SECTION 151

ISOTOPE MASS = 150. L = 1

STRENGTH FUNCTION IS 1.50772E-05

AVERAGE GAMMA WIDTH 3.60000E-02

... [1 more lines]

2. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.38500E+04. STRENGTH FUNCTION IS 1.20000E-04 / ENERGY = 1.38500E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.98113E+01 SHOULD BE 8.22506E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.38500E+04. STRENGTH FUNCTION IS 1.20000E-04

ENERGY = 1.38500E+04. STRENGTH FUNCTION IS 1.20000E-04

DENSITY 8.98113E+01 SHOULD BE 8.22506E+01

3. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.97852E+01 SHOULD BE 8.22266E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 1.20000E-04

DENSITY 8.97852E+01 SHOULD BE 8.22266E+01

4. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.96105E+01 SHOULD BE 8.20667E+01 (0): URR dens. (a)

FILE 2

SECTION 151

ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 1.20000E-04

DENSITY 8.96105E+01 SHOULD BE 8.20667E+01

5. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.94364E+01 SHOULD BE 8.19072E+01 (0): URR dens. (a)

FILE 2
SECTION 151
ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 8.94364E+01 SHOULD BE 8.19072E+01

6. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.92624E+01 SHOULD BE 8.17478E+01 (0): URR dens. (a)

FILE 2
SECTION 151
ENERGY = 1.70000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 8.92624E+01 SHOULD BE 8.17478E+01

7. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.90889E+01 SHOULD BE 8.15889E+01 (0): URR dens. (a)

FILE 2
SECTION 151
ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 8.90889E+01 SHOULD BE 8.15889E+01

8. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.90000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.89157E+01 SHOULD BE 8.14303E+01 (0): URR dens. (a)

FILE 2
SECTION 151
ENERGY = 1.90000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 8.89157E+01 SHOULD BE 8.14303E+01

9. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.87428E+01 SHOULD BE 8.12720E+01 (0): URR dens. (a)

FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 8.87428E+01 SHOULD BE 8.12720E+01

10. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.70338E+01 SHOULD BE 7.97068E+01 (0): URR dens. (a)

FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 8.70338E+01 SHOULD BE 7.97068E+01

11. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.53593E+01 SHOULD BE 7.81733E+01 (0): URR dens. (a)

- FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 8.53593E+01 SHOULD BE 7.81733E+01
12. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.37185E+01 SHOULD BE 7.66706E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 8.37185E+01 SHOULD BE 7.66706E+01
13. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.21110E+01 SHOULD BE 7.51985E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 8.21110E+01 SHOULD BE 7.51985E+01
14. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 8.05357E+01 SHOULD BE 7.37558E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 8.05357E+01 SHOULD BE 7.37558E+01
15. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 7.89921E+01 SHOULD BE 7.23421E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 7.89921E+01 SHOULD BE 7.23421E+01
16. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 7.74796E+01 SHOULD BE 7.09570E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 7.74796E+01 SHOULD BE 7.09570E+01
17. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 7.59974E+01 SHOULD BE 6.95995E+01 (0): URR dens. (a)

- FILE 2
SECTION 151
ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 7.59974E+01 SHOULD BE 6.95995E+01
18. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.10000E+05. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 7.45451E+01 SHOULD BE 6.82695E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.10000E+05. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 7.45451E+01 SHOULD BE 6.82695E+01
19. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.20000E+05. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 7.31217E+01 SHOULD BE 6.69659E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.20000E+05. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 7.31217E+01 SHOULD BE 6.69659E+01
20. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.30970E+05. STRENGTH FUNCTION IS 1.20000E-04 / DENSITY 7.17269E+01 SHOULD BE 6.56886E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.30970E+05. STRENGTH FUNCTION IS 1.20000E-04
DENSITY 7.17269E+01 SHOULD BE 6.56886E+01
21. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.38500E+04. STRENGTH FUNCTION IS 3.00000E-04 / AVERAGE GAMMA WIDTH 7.50000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 1.38500E+04. STRENGTH FUNCTION IS 3.00000E-04
AVERAGE GAMMA WIDTH 7.50000E-03
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.
22. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.38500E+04. STRENGTH FUNCTION IS 3.00000E-04 / ENERGY = 1.38500E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.93256E+01 SHOULD BE 5.98742E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.38500E+04. STRENGTH FUNCTION IS 3.00000E-04
ENERGY = 1.38500E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.93256E+01 SHOULD BE 5.98742E+01
23. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.93054E+01 SHOULD BE 5.98568E+01 (0): URR dens. (a)

- FILE 2
SECTION 151
ENERGY = 1.40000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.93054E+01 SHOULD BE 5.98568E+01
24. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.91706E+01 SHOULD BE 5.97404E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.50000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.91706E+01 SHOULD BE 5.97404E+01
25. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.90362E+01 SHOULD BE 5.96242E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.60000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.90362E+01 SHOULD BE 5.96242E+01
26. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.70000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.89018E+01 SHOULD BE 5.95082E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.70000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.89018E+01 SHOULD BE 5.95082E+01
27. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.87679E+01 SHOULD BE 5.93926E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.80000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.87679E+01 SHOULD BE 5.93926E+01
28. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.90000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.86342E+01 SHOULD BE 5.92771E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.90000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.86342E+01 SHOULD BE 5.92771E+01
29. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.85008E+01 SHOULD BE 5.91619E+01 (0): URR dens. (a)

- FILE 2
SECTION 151
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.85008E+01 SHOULD BE 5.91619E+01
30. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.71816E+01 SHOULD BE 5.80225E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.71816E+01 SHOULD BE 5.80225E+01
31. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.58891E+01 SHOULD BE 5.69062E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.58891E+01 SHOULD BE 5.69062E+01
32. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.46225E+01 SHOULD BE 5.58123E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.46225E+01 SHOULD BE 5.58123E+01
33. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.33817E+01 SHOULD BE 5.47407E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.33817E+01 SHOULD BE 5.47407E+01
34. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.21657E+01 SHOULD BE 5.36905E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 7.00000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.21657E+01 SHOULD BE 5.36905E+01
35. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 6.09742E+01 SHOULD BE 5.26614E+01 (0): URR dens. (a)

- FILE 2
SECTION 151
ENERGY = 8.00000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 6.09742E+01 SHOULD BE 5.26614E+01
36. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 5.98067E+01 SHOULD BE 5.16531E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 9.00000E+04. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 5.98067E+01 SHOULD BE 5.16531E+01
37. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 5.86626E+01 SHOULD BE 5.06649E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.00000E+05. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 5.86626E+01 SHOULD BE 5.06649E+01
38. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.10000E+05. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 5.75415E+01 SHOULD BE 4.96967E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.10000E+05. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 5.75415E+01 SHOULD BE 4.96967E+01
39. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.20000E+05. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 5.64428E+01 SHOULD BE 4.87478E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.20000E+05. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 5.64428E+01 SHOULD BE 4.87478E+01
40. Level density in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.30970E+05. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 5.53662E+01 SHOULD BE 4.78179E+01 (0): URR dens. (a)
- FILE 2
SECTION 151
ENERGY = 1.30970E+05. STRENGTH FUNCTION IS 3.00000E-04
DENSITY 5.53662E+01 SHOULD BE 4.78179E+01
41. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 1.30970E+05. STRENGTH FUNCTION IS 3.00000E-04 / AVERAGE GAMMA WIDTH 7.50000E-03 / LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV. (0): URR str. ftn.

```

FILE 2
SECTION 151
ENERGY = 1.30970E+05. STRENGTH FUNCTION IS 3.00000E-04
AVERAGE GAMMA WIDTH 7.50000E-03
LIES OUTSIDE LIMITS 4.00000E-02 TO 9.00000E+00 EV.

```

42. Non-threshold reaction with Q value differing from PSYCHE's expectations
FILE 3 / SECTION 107 / THE CALCULATED Q 3.96884E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00 (0): Iffy Q

```

FILE 3
SECTION 107
THE CALCULATED Q 3.96884E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00

```

- groupie Errors:

1. Very small elastic cross section found
0: Small elastic

```

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)
-----
ENDF/B Input and Output Data Filenames
ENDFB.IN
ENDFB.OUT
... [97 more lines]

```

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel

```

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"
WARNING: Missing a channel with angular momenta combination L = 1, J = 0.5 and S = 1.5 for "capture"
WARNING: Missing a channel with angular momenta combination L = 1, J = 1.5 and S = 1.5 for "capture"
WARNING: Missing a channel with angular momenta combination L = 1, J = 2.5 and S = 1.5 for "capture"

```

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 9: n[multiplicity:'2'] + Nd149 + gamma (Error # 0): Q mismatch

```

WARNING: Calculated and tabulated Q-values disagree: -7516522.915313721 eV vs -7.38e6 eV!

```

2. Calculated and tabulated Q values disagree.
reaction label 10: n[multiplicity:'3'] + Nd148 + gamma (Error # 0): Q mismatch

```

WARNING: Calculated and tabulated Q-values disagree: -12214349.73739624 eV vs -1.2418e7 eV!

```

3. Calculated and tabulated Q values disagree.
reaction label 11: n + H1 + Pr149 + gamma (Error # 0): Q mismatch

```

WARNING: Calculated and tabulated Q-values disagree: -9552422.710662842 eV vs -9.995e6 eV!

```

4. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.
reaction label 11: n + H1 + Pr149 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.3e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.4e7 eV
WARNING: Extra zero-probability outgoing energies found at incident energy 1.45e7 eV
... plus 6 more instances of this message
5. Calculated and tabulated Q values disagree.
reaction label 12: H1 + Pr150 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4854595.888580322 eV vs -4.908e6 eV!
6. Calculated and tabulated Q values disagree.
reaction label 13: H1 + Pr150_e1 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4964595.888580322 eV vs -5.018e6 eV!
7. Calculated and tabulated Q values disagree.
reaction label 14: H1 + (Pr150_c ->Pr150 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -4964595.888580322 eV vs -5.018e6 eV!
8. Calculated and tabulated Q values disagree.
reaction label 15: He4 + Ce147 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4493325.712387085 eV vs 4.133e6 eV!
9. Calculated and tabulated Q values disagree.
reaction label 16: He4 + Ce147_e1 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4375685.712387085 eV vs 4015360. eV!
10. Calculated and tabulated Q values disagree.
reaction label 17: He4 + Ce147_e2 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4306815.712387085 eV vs 3946490. eV!
11. Calculated and tabulated Q values disagree.
reaction label 18: He4 + Ce147_e3 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4278115.712387085 eV vs 3917790. eV!
12. Calculated and tabulated Q values disagree.
reaction label 19: He4 + Ce147_e4 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4219415.712387085 eV vs 3859090. eV!
13. Calculated and tabulated Q values disagree.
reaction label 20: He4 + Ce147_e5 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4160405.712387085 eV vs 3800080. eV!

14. Calculated and tabulated Q values disagree.
reaction label 21: He4 + Ce147-e6 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4139895.712387085 eV vs 3779570. eV!
15. Calculated and tabulated Q values disagree.
reaction label 22: He4 + Ce147-e7 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4092335.712387085 eV vs 3732010. eV!
16. Calculated and tabulated Q values disagree.
reaction label 23: He4 + Ce147-e8 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4090945.712387085 eV vs 3730620. eV!
17. Calculated and tabulated Q values disagree.
reaction label 24: He4 + Ce147-e9 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4060295.712387085 eV vs 3699970. eV!
18. Calculated and tabulated Q values disagree.
reaction label 25: He4 + Ce147-e10 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 4055205.712387085 eV vs 3694880. eV!
19. Calculated and tabulated Q values disagree.
reaction label 26: He4 + Ce147-e11 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 3998015.712387085 eV vs 3637690. eV!
20. Calculated and tabulated Q values disagree.
reaction label 27: He4 + Ce147-e12 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 3987695.712387085 eV vs 3627370. eV!
21. Calculated and tabulated Q values disagree.
reaction label 28: He4 + Ce147-e13 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 3976345.712387085 eV vs 3616020. eV!
22. Calculated and tabulated Q values disagree.
reaction label 29: He4 + Ce147-e14 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 3935085.712387085 eV vs 3574760. eV!
23. Calculated and tabulated Q values disagree.
reaction label 30: He4 + Ce147-e15 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 3895505.712387085 eV vs 3535180. eV!
24. Calculated and tabulated Q values disagree.
reaction label 31: He4 + Ce147-e16 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 3884705.712387085 eV vs 3524380. eV!

25. Calculated and tabulated Q values disagree.
reaction label 32: He4 + Ce147-e17 (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 3867525.712387085 eV vs 3.5072e6 eV!
26. Calculated and tabulated Q values disagree.
reaction label 33: He4 + Ce147-e18 (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 3819975.712387085 eV vs 3459650. eV!
27. Calculated and tabulated Q values disagree.
reaction label 34: He4 + Ce147-e19 (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 3816415.712387085 eV vs 3456090. eV!
28. Calculated and tabulated Q values disagree.
reaction label 35: He4 + Ce147-e20 (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 3783025.712387085 eV vs 3.4227e6 eV!
29. Calculated and tabulated Q values disagree.
reaction label 36: He4 + (Ce147-c -> Ce147 + gamma) (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 3783025.712387085 eV vs 3.4227e6 eV!
30. Calculated and tabulated Q values disagree.
reaction label 38: n + He4 + Ce146 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -204501.1096954346 eV vs -3.79e5 eV!
31. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.
reaction label 38: n + He4 + Ce146 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy
- WARNING: Extra zero-probability outgoing energies found at incident energy 7.e6 eV
 WARNING: Extra zero-probability outgoing energies found at incident energy 7.4e6 eV
 WARNING: Extra zero-probability outgoing energies found at incident energy 7.5e6 eV
 WARNING: Extra zero-probability outgoing energies found at incident energy 8.e6 eV
 ... plus 13 more instances of this message
32. Calculated and tabulated Q values disagree.
reaction label 39: n[multiplicity:'2'] + He4 + Ce145 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -6781458.660614014 eV vs -7.088e6 eV!
33. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.
reaction label 39: n[multiplicity:'2'] + He4 + Ce145 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

WARNING: Extra zero-probability outgoing energies found at incident energy 1.4e7 eV
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.45e7 eV
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.5e7 eV
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.6e7 eV
 ... plus 4 more instances of this message

34. Calculated and tabulated Q values disagree.
reaction label 40: n[multiplicity:'2'] + H1 + Pr148 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -16129380.26156616 eV vs -1.6568e7 eV!

35. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.
reaction label 40: n[multiplicity:'2'] + H1 + Pr148 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy

WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV
 WARNING: Extra zero-probability outgoing energies found at incident energy 2.e7 eV

36. Cross section domain does not match domain of linked reaction cross section sum
crossSectionSum label 1: (z,n) (Error # 0): summedCrossSectionDomainMismatch

WARNING: Cross section domain does not match domain of linked reaction cross section sum

37. Cross section domain does not match domain of linked reaction cross section sum
crossSectionSum label 2: (z,p) (Error # 0): summedCrossSectionDomainMismatch

WARNING: Cross section domain does not match domain of linked reaction cross section sum

- njoy2012 Warnings:

1. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (0): HEATR/hinit (4)

---message from hinit---mf6, mt102 does not give recoil za= 60151
 photon momentum recoil used.